RESOLUTION NO. 2015-38

A RESOLUTION OF THE VILLAGE COUNCIL OF THE VILLAGE OF KEY BISCAYNE, FLORIDA, ADOPTING THE 2015 MIAMI-DADE COUNTY LOCAL MITIGATION STRATEGY; AUTHORIZING THE VILLAGE MANAGER TO IDENTIFY AND PRIORITIZE HAZARD MITIGATION GRANT PROGRAM PROJECTS TO BECOME A PART OF THE LOCAL AND STATEWIDE HAZARD MITIGATION STRATEGY; AND PROVIDING FOR AN EFFECTIVE DATE.

WHEREAS, the Federal Emergency Management Agency funded a national initiative to help communities develop local mitigation strategies that identify projects to mitigate the effects of natural disasters and to identify sources of funds to address those problems; and

WHEREAS, the State of Florida Department of Economic Opportunity entered into a contract with Miami-Dade County ("County") to provide the funding for the County and municipalities to jointly develop a Local Mitigation Strategy to become a component of the Statewide Mitigation Strategy; and

WHEREAS, the County entered into agreements with local municipalities to establish a unified process for developing the Local Mitigation Strategy and convey funds for participation in the plan development; and

WHEREAS, the Local Mitigation Strategy meets the State contract requirements and was accomplished with the participation of local governments, the Miami-Dade School Board, and a broad range of private not-for-profit agencies, businesses and universities coordinated by the County Office of Emergency Management; and

WHEREAS, the Village of Key Biscayne ("Village") wishes to participate and adopt the County's 2015 Adopted Local Mitigation Strategy (Exhibit "A"); and

WHEREAS, the Village Council finds this Resolution to be in the best interest and welfare

of the residents of the Village.

NOW, THEREFORE, BE IT RESOLVED BY THE COUNCIL OF THE VILLAGE OF

KEY BISCAYNE, FLORIDA, AS FOLLOWS:

Section 1. Recitals Adopted. That each of the recitals stated above is hereby adopted and

confirmed.

Section 2. Adoption of the Miami-Dade County Local Mitigation Strategy. The Village

Council hereby adopts the County 2015 Local Mitigation Strategy, which is attached as Exhibit "A"

to this Resolution.

Section 3. Authorization. The Village Manager is hereby authorized to identify and

prioritize potential mitigation projects to be included within Miami-Dade County's Local Mitigation

Strategy Plan.

Section 4. Effective Date. This Resolution shall become effective immediately upon

adoption hereof.

PASSED AND ADOPTED this 25th day of August, 2015.

60

IAVOR MAVRA PEÑA LINDSAV

AVIEST

CONCHITA H. ALVAREZ, MMC, VILLAGE CLERK

APPROVED AS TO FORM AND

LEGAL SUFFICIENCY

VILLAGE ATTORNEY

2

DIVISION OF EMERGENCY MANAGEMENT

RICK SCOTT

BRYAN W. KOON

May 5, 2015

Ms. Cathie Perkins
Miami-Dade County Local Mitigation Strategy Chair
9300 Northwest 41st Street
Miami. Florida 33178

Re: Miami-Dade County Local Hazard Mitigation Plan Approved Pending Adoption

Dear Ms. Perkins:

This is to confirm that we have completed a State review of the Miami-Dade County Local Mitigation Strategy (LMS) update for compliance with the federal hazard mitigation planning standards contained in 44 CFR 201/6(b)-(d). Based on our review and comments, Miami-Dade County developed and submitted all the necessary plan revisions and our staff has reviewed and approved these revisions. We have determined that the Miami-Dade County LMS plan is compliant with federal standards, subject to formal community adoption, for the jurisdictions below:

Miami-Dade County

Upon submittal of a copy of all participating jurisdictions' documentation of their adoption resolutions to our office, we will send all necessary documentation to the Federal Emergency Management Agency (FEMA) who will issue formal approval of the Miami-Dade County LMS.

If you have any questions regarding this matter, please contact David M. Block at 850-413-9959 or david.block@em.mvflorida.com.

Respectfully,

Miles E. Ánderson, Bureau Chief, Mitigation

State Hazard Mitigation Officer

MFA/dmb

Attachments: MEMORADUM: State approval of LMS plans under Program Administration by States (PAS)

Local Mitigation Strategy





Whole Community Hazard Mitigation





	3
PURPOSE	
How to use this Plan	4
I MC ODG ANIZATIONAL CERUCTURE	-
LMS ORGANIZATIONAL STRUCTURE	
LMS COORDINATOR/CHAIR	
LMS Co-Chair	
STEERING COMMITTEE	
LMS WORKING GROUP (LMSWG)	
Municipal Participation	
LMS SUB-COMMITTEES (LMSS-C)	
MEETINGS	8
PLANNING PROCESS	8
Annual Updates	
Monthly Updates (as needed)	
Public Review and Comment	
Five-Year Update	
PLAN ADOPTION	
REVIEW AND REVISION CRITERIA	11
PROGRAM BENCHMARKS	12
LMS REVISIONS SINCE LAST ADOPTION.	
RECENT DEVELOPMENT/REDEVELOPMENT	
MEASURING THE OVERALL EFFECTIVENESS OF THE LMS PROGRAM	22
POLICIES, ORDINANCES AND PROGRAMS AFFECTING MITIGATION	. 24
FEDERAL	. 24
STATE	. 25
Federal, State and Regional Governmental Entities	
	. 25
Federal, State and Regional Governmental Entities COUNTY	. 25 . 27
Federal, State and Regional Governmental Entities	. 25 . 27 . 28
Federal, State and Regional Governmental Entities	25 27 28
Federal, State and Regional Governmental Entities County County Programs MUNICIPALITIES Municipal Agencies and Their Mitigation Functions	25 27 28 30
Federal, State and Regional Governmental Entities	25 27 28 30 30
Federal, State and Regional Governmental Entities COUNTY COUNTY Programs MUNICIPALITIES Municipal Agencies and Their Mitigation Functions ANALYSIS OF EXISTING POLICIES, ORDINANCES AND PROGRAMS MUNICIPAL INTEGRATION OF MITIGATION MEASURES	25 27 28 30 31
Federal, State and Regional Governmental Entities COUNTY	25 27 28 30 31 33
Federal, State and Regional Governmental Entities County County Programs MUNICIPALITIES Municipal Agencies and Their Mitigation Functions ANALYSIS OF EXISTING POLICIES, ORDINANCES AND PROGRAMS. MUNICIPAL INTEGRATION OF MITIGATION MEASURES Aventura Bal Harbour.	25 27 28 30 31 33 33
Federal, State and Regional Governmental Entities COUNTY County Programs. MUNICIPALITIES. Municipal Agencies and Their Mitigation Functions ANALYSIS OF EXISTING POLICIES, ORDINANCES AND PROGRAMS. MUNICIPAL INTEGRATION OF MITIGATION MEASURES Aventura Bal Harbour. Bay Harbor Islands	25 27 28 30 31 33 33
Federal, State and Regional Governmental Entities County County Programs MUNICIPALITIES Municipal Agencies and Their Mitigation Functions ANALYSIS OF EXISTING POLICIES, ORDINANCES AND PROGRAMS. MUNICIPAL INTEGRATION OF MITIGATION MEASURES Aventura Bal Harbour.	25 27 28 30 31 33 34 34
Federal, State and Regional Governmental Entities COUNTY County Programs. MUNICIPALITIES. Municipal Agencies and Their Mitigation Functions ANALYSIS OF EXISTING POLICIES, ORDINANCES AND PROGRAMS. MUNICIPAL INTEGRATION OF MITIGATION MEASURES Aventura Bal Harbour. Bay Harbor Islands Biscayne Park	25 27 28 30 31 33 34 34 37
Federal, State and Regional Governmental Entities County County Programs. MUNICIPALITIES. Municipal Agencies and Their Mitigation Functions ANALYSIS OF EXISTING POLICIES, ORDINANCES AND PROGRAMS MUNICIPAL INTEGRATION OF MITIGATION MEASURES. Aventura Bal Harbour. Bay Harbor Islands Biscayne Park Coral Gables.	25 27 28 30 31 33 34 34 37 37
Federal, State and Regional Governmental Entities County County Programs. MUNICIPALITIES. Municipal Agencies and Their Mitigation Functions ANALYSIS OF EXISTING POLICIES, ORDINANCES AND PROGRAMS MUNICIPAL INTEGRATION OF MITIGATION MEASURES. Aventura Bal Harbour. Bay Harbor Islands Biscayne Park Coral Gables. Cutler Bay	25 27 28 30 31 33 34 34 37 37 38 40
Federal, State and Regional Governmental Entities COUNTY COUNTY Programs MUNICIPALITIES MUNICIPALITIES MUNICIPALITIES MUNICIPAL STATE POLICIES, ORDINANCES AND PROGRAMS MUNICIPAL INTEGRATION OF MITIGATION MEASURES AVENTURA BAI HARDOUR BAY HARDOUR BAY HARDOUR BAY HARDOUR BAY HARDOUR COTAI Gables COTAI Gables CUTTER BAY DORAL	25 27 28 30 31 33 33 34 34 37 37 38 40
Federal, State and Regional Governmental Entities COUNTY County Programs. MUNICIPALITIES. Municipal Agencies and Their Mitigation Functions ANALYSIS OF EXISTING POLICIES, ORDINANCES AND PROGRAMS. MUNICIPAL INTEGRATION OF MITIGATION MEASURES. Aventura Bal Harbour. Bay Harbor Islands Biscayne Park Coral Gables. Cutter Bay Doral El Portal	25 27 28 30 31 33 34 34 37 37 38 40 40
Federal, State and Regional Governmental Entities County County Programs. MUNICIPALITIES. Municipal Agencies and Their Mitigation Functions ANALYSIS OF EXISTING POLICIES, ORDINANCES AND PROGRAMS MUNICIPAL INTEGRATION OF MITIGATION MEASURES. Aventura Bal Harbour. Bay Harbor Islands Biscayne Park Coral Gables Cutler Bay Doral El Portal Florida City.	25 27 28 30 33 34 37 37 38 40 41 41
Federal, State and Regional Governmental Entities COUNTY COUNTY Programs MUNICIPALITIES MUNICIPALITIES MUNICIPALITIES MUNICIPAL INTEGRATION OF MITIGATION MEASURES AVALYSIS OF EXISTING POLICIES, ORDINANCES AND PROGRAMS MUNICIPAL INTEGRATION OF MITIGATION MEASURES AVENTUR Bal Harbour Bal Harbou	25 27 28 30 31 33 34 37 37 38 40 41 41 41
Federal, State and Regional Governmental Entities COUNTY County Programs. MUNICIPALITIES. MUNICIPALITIES. MUNICIPALITIES. MUNICIPAL INTEGRATION OF MITIGATION MEASURES ANALYSIS OF EXISTING POLICIES, ORDINANCES AND PROGRAMS. MUNICIPAL INTEGRATION OF MITIGATION MEASURES Aventura Bal Harbour. Bay Harbor Islands Biscayne Park Coral Gables. Cutler Bay Doral El Portal Florida City. Golden Beach Hialeah	25 27 28 30 33 34 37 37 38 40 41 41 41 41
Federal, State and Regional Governmental Entities County County Programs. MUNICIPALITIES. Municipal Agencies and Their Mitigation Functions ANALYSIS OF EXISTING POLICIES, ORDINANCES AND PROGRAMS MUNICIPAL INTEGRATION OF MITIGATION MEASURES. Aventura Bal Harbour. Bay Harbor Islands Biscayne Park Coral Gables. Cutler Bay Doral El Portal Florida City. Golden Beach Hialeah Hialeah Hialeah Gardens. Homestead	25 27 28 30 33 34 37 37 38 40 41 41 41 41 42
Federal, State and Regional Governmental Entities County County Programs. MUNICIPALITIES	25 27 28 30 31 33 34 37 37 38 40 41 41 41 42 42 42
Federal, State and Regional Governmental Entities COUNTY COUNTY COUNTY Programs MUNICIPALITIES MUNICIPALITIES MUNICIPALITIES MUNICIPALITIES MUNICIPAL INTEGRATION OF MITIGATION MEASURES AVALYSIS OF EXISTING POLICIES, ORDINANCES AND PROGRAMS MUNICIPAL INTEGRATION OF MITIGATION MEASURES AVENTURA Bal Harbour. Bay Harbor Islands Biscayne Park Coral Gables. Cutter Bay Doral EI Portal Florida City. Golden Beach Hialeah Hialeah Hialeah Hialeah Hialeah Hialeah Homestead • Key Biscayne	25 27 28 30 31 33 34 37 37 38 40 41 41 41 41 42 42 44
Federal, State and Regional Governmental Entities County County Programs. MUNICIPALITIES	25 27 28 30 31 33 34 34 37 38 40 41 41 41 42 42 45
Federal, State and Regional Governmental Entities COUNTY COUNTY COUNTY Programs MUNICIPALITIES MUNICIPALITIES MUNICIPALITIES MUNICIPALITIES MUNICIPAL INTEGRATION OF MITIGATION MEASURES AVALYSIS OF EXISTING POLICIES, ORDINANCES AND PROGRAMS MUNICIPAL INTEGRATION OF MITIGATION MEASURES AVENTURA Bal Harbour Bay Harbour Islands Biscayne Park Coral Gables Cutter Bay Doral EI Portal Florida City Golden Beach Hialeah Hialeah Gardens Homestead Key Biscayne Medley Miami Miami Beach	25 27 28 30 31 33 34 34 37 38 40 41 41 41 42 42 44 45 47
Federal, State and Regional Governmental Entities COUNTY County Programs. MUNICIPALITIES. MUNICIPALITIES. MUNICIPALITIES. MUNICIPALITIES. MUNICIPAL INTEGRATION OF MITIGATION MEASURES AVALYSIS OF EXISTING POLICIES, ORDINANCES AND PROGRAMS. MUNICIPAL INTEGRATION OF MITIGATION MEASURES Aventura Bal Harbour. Bay Harbor Islands Biscayne Park Coral Gables. Cutler Bay Doral El Portal Florida City. Golden Beach Hialeah Hialeah Gardens. Homestead Key Biscayne Medley Miami Miami Beach Miami Gardens. Miami Gardens.	25 27 28 30 31 33 34 37 38 40 41 41 41 42 42 42 44 45 47 48
Federal, State and Regional Governmental Entities COUNTY COUNTY COUNTY Programs MUNICIPALITIES MUNICIPALITIES MUNICIPALITIES MUNICIPALITIES MUNICIPAL INTEGRATION OF MITIGATION MEASURES AVALYSIS OF EXISTING POLICIES, ORDINANCES AND PROGRAMS MUNICIPAL INTEGRATION OF MITIGATION MEASURES AVENTURA Bal Harbour Bay Harbour Islands Biscayne Park Coral Gables Cutter Bay Doral EI Portal Florida City Golden Beach Hialeah Hialeah Gardens Homestead Key Biscayne Medley Miami Miami Beach	25 27 28 30 31 33 34 34 37 38 40 41 41 41 41 42 45 45 45 45 45 45 45 45 45 45 45 45 45 45 45 45 45 47



meetings held each year. The LMSWG endorsed this policy unanimously on September 20, 2001. However, any organization may substitute regular participation and attendance on an active LMS committee or subcommittee in lieu of attendance at the quarterly meetings. The agencies that are participating in the LMSWG are identified in $Part\ 4\ Appendix\ B\ 4$

Municipal Participation

Within Miami-Dade County the following municipalities are active participants of the LMS.

City of Aventura	City of Hialeah Gardens	City of North Miami				
Bal Harbour Village	City of Homestead	City of North Miami Beach				
Town of Bay Harbor Islands	Village of Key Biscayne •	City of Opa-locka				
Village of Biscayne Park	Town of Medley	Village of Palmetto Bay				
City of Coral Gables	City of Miami	Village of Pinecrest				
Town of Cutler Bay	City of Miami Beach	City of South Miami				
City of Doral	City of Miami Gardens	City of Sunny Isles Beach				
Village of El Portal	Town of Miami Lakes	Town of Surfside				
City of Florida City	Miami Shores Village	City of Sweetwater				
Town of Golden Beach	City of Miami Springs	Village of Virginia Gardens				
City of Hialeah	City of North Bay Village	City of West Miami				

Indian Creek Village opted to leave the LMS and the City of Islandia is no longer considered a municipality.

For simplicity sake of the document, municipalities will be referred to by only the name and not the full title e.g. City of Coral Gables will be referred to as Coral Gables.

LMS Sub-Committees (LMSS-C)

In order to streamline the Working Group's activities, various sub-committees may be formed, each addressing an area of concern as needed. Initially, committees were formed to deal with flooding, evacuations, funding, community education, external policy, agriculture and wildfires. The formation and disbandment of sub-committees is done in correlation with the trending issues that need addressing and participation from the working group members. The current listing of sub-committees may be found in *Part 4 Appendix C*.

4 EMAP 4.4.2

April 2015 P1-7

The Miami-Dade Local Mitigation Strategy Part 1: The Strategy

Objective 1.3 Coordinate the impact of development with other jurisdictions to define and implement mutually beneficial goals, ensure consistency among adjacent land uses, and mitigate negative development impacts. This objective shall be made measurable by implementation of its policies.

The City of Hialeah Gardens has a Division of Emergency Management that is managed by Manuel Carrera. Mr. Carrera is responsible for coordinating disaster preparedness, response, recovery, and mitigation concerns for all City departments.

Homestead

City of Homestead Comprehensive Plan	June 2011
Future Land Use Element	

Objective 10: Hurricane Evacuation and Mitigation

Ensure that development and redevelopment are consistent with hurricane evacuation plans.

Measure 2: Maintain hurricane mitigation measures that are consistent with the Miami-Dade County Local Mitigation Strategy (LMS) and facilitate the approved evacuation plans.

Policy 10.1: Development orders for new development and redevelopment shall be consistent with local and regional hurricane evacuation plans where applicable.

Policy 10.2: Mitigate any identified deficiencies in storm damage resistance of critical public facilities and construct new facilities, if needed, to assist in the City's evacuation plans.

Objective 11: Hazard Mitigation and Post-Disaster Redevelopment

To the extent financially feasible, incorporate all prudent hazard mitigation needs and post-disaster redevelopment procedures into the City's capital improvement planning and Land Development Code.

Measure: Number of capital improvement projects and/or amendments to the land development code successfully implemented to address hazardous mitigation needs and post disaster redevelopment procedures.

Hazard Mitigation/ Post-Disaster Redevelopment Element

Policy 4.3: Participate in the preparation/modification of the 409 Hazard Mitigation Plan.

Objective 6: Implementation of the Local Mitigation Strategy (LMS)

The City continues to work with the Miami-Dade EOC and other government agencies to implement the policies, ordinances and programs outlined in the LMS.

Measure: Coordinate efforts with state and county agencies to bring the community together as a single mitigating entity.

Policy 6.1: Participate in the improvements in the City's standing and classification in the Community Rating System (CRS), with the related consequences of making flood insurance under the National Flood Insurance Program (NFIP) more affordable and reachable, while improving the effectiveness in coping with flood hazards, problems and emergencies.

Policy 6.2: Disseminate information on a repetitive basis with respect to the existence of flood hazards and the availability of measures to mitigate the problems presented by such hazards.

Policy 6.3: Increase the level of coordination of mitigation management concerns, plans and activities at all levels of government.

Policy 6.4: Improve and maintain cutting edge, state-of-the-art, and effectiveness of the City's emergency preparedness and disaster response capacity. Policy 6.5: Continue our commitment to the review, update and implementation of the local hazard mitigation strategy.

Key Biscayne

The Village of Key Biscayne Office of Emergency Management (OEM) is responsible for coordinating disaster preparedness, response, recovery, and mitigation concerns for all Village departments. This section creates, updates, and administers the Village's Comprehensive Emergency Management Plan (CEMP), which provides the procedures for

April 2015 P1-42



the Village's response to all known hazards. The Village adopted the Miami-Dade County CEMP and developed their own municipal CEMP in 2006. This document is currently being updated. The OEM is headed by the Village Fire Rescue Department and collaborates with the members of the Village Administration, and all other Village Departments, and other members of the community. Activities include planning for a wide range of disasters, identifying projects that will mitigate the effects of disasters, and working towards recovery post-disaster.

The Village has a full time Certified Flood Plain Manager who is responsible for the implementation of the Community Rating System (CRS) and NFIP compliance with assistance from a CRS Coordinator and a Consultant. The Village of Key Biscayne has incorporated mitigation into their planning processes to include the following plans:

Village of Key Biscayne Code of Ordinances Plan	December 2010
Resolution No. 2010-53:	
Resolution of the Village Council Adopting the Miami-Dade Co	unty Local Mitigation Strategy
Village of Key Biscayne Code of Ordinances Plan	February 2014
Section 30-73-Site Plan Review Procedures Item (f)(6)g:	
Description of methods to be implemented during construction	n to mitigate adverse quantity or quality impacts
off-site.	
Village of Key Biscayne Comprehensive Emergency Man-	September 2006
agement Plan	
Annex-IV: Recovery H. Hazard Mitigation Plan/Program	
The Village of Key Biscayne has adopted the Miami-Dade Cour	nty Comprehensive Emergency Management Plan
by reference.	
Village of Key Biscayne FMP Annual Progress Report for	October 2014
CRS Annual Recertification	
Progress on FMP implementation, as required in Section X of	
ance Action Plans followed by the Village. The Action Plan Iter	ns are included and tracked through the Miami-
Dade County Local Mitigation Strategy (LMS)	
Village of Key Biscayne Stormwater Master Plan Update	June 2011
2.3.3: Repetitive Loss Properties	
One of the activities involved with the Annual NFIP CRS Re-Ce	
One of the activities involved with the Annual NFIP CRS Re-Ce Areas (RLAs). The purpose of the analysis is to determine poss	
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April 2015 P1-43

outfalls into the canals and Biscayne Bay. Anticipated improvements include a series of catch basins, manholes and pipes for the collection of the stormwater and routing to pollution control structures and drainage wells

Village of Key Biscayne Code of Ordinances Plan

December 2010

with emergency overflows. The pollution control devises (grease and oil separator) are to be provided before each drainage well to prevent contamination from entering. Emergency overflow structures are to be constructed at the existing outfalls and would discharge only when the storm events generates more than one inch of runoff. These improvements shall be designed to fully meet the specific standards set forth in Objective 1.1 above.

Conservation and Coastal Management Element

Policy 1.3.1: By the date required by state statute or sooner, the Village shall enact and enforce estuarine waterfront protection provisions in the land development code. The provisions will be drafted to assure that all applicable development permit applications are reviewed in the context of the mangrove protection policies of the State DEP and the waterfront policies of DERM. In particular, DERM Class 1 Permits pursuant to Section 24-58 of the Dade County Code shall be required for all construction seaward of the mean high water line. Such construction shall be designed to minimize environmental impacts and mitigate unavoidable impacts. This provision shall be interpreted to protect sensitive lands from sea wall and other related construction, but it shall not be interpreted as permitting construction seaward of the State Coastal Construction Control Line in violation of other policies of this Comprehensive Plan.

Policy 1.7.14: The Village hereby designates DERM mangrove jurisdictional areas in the Village as environmentally sensitive lands which shall be protected from development unless their ecological value is replaced via mitigation. These DERM areas are mapped in Figure V-1 of the Data and Analysis of this Plan.

Policy 3.3.3: During post-disaster recovery periods, after damaged areas and infrastructure requiring rehabilitation or redevelopment have been identified, appropriate Village departments shall use the post-disaster redevelopment plan to reduce or eliminate the future exposure of life and property to hurricanes; incorporate recommendations of interagency hazard mitigation reports; analyze and recommended to the Village Council hazard mitigation options for damaged public facilities; and recommend amendments, if required, to the Village Master Plan.

Medley

Town of Medley Municipal Code of Ordinances

Enacted May 2014

Article V. Provisions for Flood Hazard Reduction

Sec. 30-71. - General standards.

In all areas of special flood hazard, all development sites including new construction and substantial improvements shall be reasonably safe from flooding, and meet the following provisions:

- (1)New construction and substantial improvements shall be designed or modified and adequately anchored to prevent flotation, collapse, and lateral movement of the structure resulting from hydrodynamic and hydrostatic loads, including the effects of buoyancy:
- (2)Manufactured homes shall be anchored to prevent flotation, collapse, and lateral movement. Methods of anchoring may include, but are not limited to, use of over-the-top or frame ties to ground anchors. This standard shall be in addition to and consistent with applicable State of Florida requirements for resisting wind forces:
- (3)New construction and substantial improvements shall be constructed with materials and utility equipment resistant to flood damage;
- (4)New construction and substantial improvements shall be constructed by methods and practices that minimize flood damage;
- (5)Electrical, heating, ventilation, plumbing, air conditioning equipment and other service facilities, including duct work, shall be designed and/or located so as to prevent water from entering or accumulating within the components during conditions of flooding:

April 2015 P1-44

Local Mitigation Strategy





Whole Community Hazard Mitigation Part 2: The Projects



March 2015



Appendix 3- Project List

This list is maintained in WebEOC and updated by the individual agencies upon request by the LMS Coordinator, two times a year by June 30 and December 31, respectively. The updated lists are published in July and January every year. The WebEOC LMS Board will be used to pull current information as needed. The county, municipalities and all other members of the LMS Working Group reserve the right to, at any time, add to, delete from and in other ways change the order of priorities presented here. All entities participating in this program have agreed to undertake these initiatives, as necessary.³

March 2015 P2-15

³ EMAP 4.4.2

Hospital/Medical	Mount Sinai	Greenspan Roof and Enclosures	Remove roof and replace all roof top enclosures with Miami-Dade County Hurricane Zone rated systems.	Wind	Grant Applied For	,HMGP Hazard Mitigation Grant Program	300,000.00	(Funding Applied for	unknown
Hospital/Medical	Mount Sinai	Harden Aventura Emergency Room Buildings	Harden Mount Sinai Avenutra and Emergency Room including installing hurricane rated walls, windows, doors, concrete, stainwell pressurization and other systems to protect against high velocity, floor and storm surge	Wind	unknown	Mitigation Grant	950,000.00	(0	Future Unfunded Project	unknown
Hospital/Medical	Mount Sinal	Harden Child Care Building	Harden the Child Care Building including installing hurricane rated walls, windows, doors, EIFS, stairweil pressurization and other systems to protect against high velocity wind, floor and storm surge events.	Wind	unknown	Mitigation Grant	750,000.00	(0	Future Unfunded Project	unknown
Hospital/Medical	Mount Sinai	Harden Knight MRI/Wien Center Building	Harden the Knight Buildings including installing hurricane rated walls, windows, doors, EIFS, stainwell pressurization and other systems to protect against high velocity wind, floor and storm surge events and to raise valuable requirement	Wind	unknown	Mitigation Grant	3,750,000.00	(Future Unfunded Project	unknown
Hospital/Medical	Mount Sinai	Harden Research and Education Building	Harden the Education and Research Buildings including installing hurricane rated walls, windows, doors, EIFS, stainwell pressurization and other systems to protect against high velocity wind, floor and storm surge events.	Flood/Storm Surge,Flood,Health,Power Failure,Sea Level Rise,Security Breach,Storm	unknown	Mitigation Grant	750,000.00	(Future Unfunded Project	unknown
Hospital/Medical	Mount Sinai	Mitigate Storm Drainage	Mitigate the effects of storm surge and flooding by installing new drainage structures from buildings through surface lots, milling and resurfacing pavement to graduate surfaces and aid gravity water removal	Flood/Storm Surge	Identified Grant Source	Mitigation Grant	950,000.00	(Project in Planning Stage	unknown
Hospital/Medical	Mount Sinai	Mitigate the Impact of Storm	Install trunk line for necessary drainage	Flood/Storm Surge	unknown	Mitigation Grant	950,000.00	(Future Unfunded Project	unknown
Hospital/Medical	Mount Sinai	Protect Critical Services	Relocate critical services to above flood level locations.	Flood	unknown	Mitigation Grant	2,000,000.00	(Construction/Project Begun	unknown
Hospital/Medical	Mount Sinai	Protect Satellite Locations	Harden the Primary Care Satellite Building including installing hurricane rated walls, windows, doors, EIFS, stainwell pressurization and other systems to protect against high velocity wind, floor and storm surge events and to raise valuable enuinment.	Wind	unknown	Mitigation Grant	1,450,000.00	(0	Future Unfunded Project	unknown
Hospital/Medical	Mount Sinai			Multiple (specify in comments Column T)	Other Internal Funding	Not Applicable	3,000,000.00	(Project in Planning Stage	unknown
Hospital/Medical	Mount Sinai	Protect the Energy Center Facility Chillers		All Hazards	Other Internal Funding	Not Applicable	2,000,000.00			Project in Planning Stage	unknown
Hospital/Medical	Mount Sinai	Protect the Oxygen Supply for the ER	Retroff the Organ suply and refundant centralized If energy supply with code plus wind, sterm surge and filliod enhancements above the current Florida building code standards.	Wind		"CDBG Community Development Block Grants/ Entitlement Grants, Disaster Recovery Initiative, HMGP Hazard Mitigation Grant Program, CDBG – Community Development Block Grant	1,300,000.00	81		Future Unfunded Project	> 1 year

Identified

Funding Source

Identified Grant

Source

Grant Awarded

Grant Awarded Mitigation Grant

Hazards

ailure,Flood,Flood/Storm

Surge, Health, Power Failure

Surge Health Wind Wind, Flood, Flood/Storm

Potential Grant

Source

Mitigation Grant

Public Works & Development Facilitie Mitigation Grant

Grant Program

Unknown/None Mitigation Grant

HMGP Hazard Mitigation

unknown

Surge, Flood, Health, Power

Failure, Technological isruntion Other

Estimated

Costs

3.964.239.00

5,000,000,00

16.500,000.00

2,500.00

New Projects

Date Added

Completion

Timeframe

months

months

Status

Project in Planning Stage

Project in Planning Stage

unding Secured

uture Unfunded Project

roject in Planning Stage

Future Unfunded Project

unknown

months

Hospital/Medica

Agency

Responsible

Mount Sinai

Mount Sinai

Mount Sinai

Project Title

Energy Center 1

Energy Center 2

Mount Sinal Protect the Power Supply

Distribution

Utility Bridge and Power

Mount Sinai

Project Description

Raise Mount Sinai's bayfront seawall, protect the infatructure including perimeter road and drainage from the

Relocate generators into a hurricane rated enclosure above storm surge within the Energy facility to mitigate the

Retrofit the Energy facility with code plus wind, storm surge and flood enhancements above the current Florida

effects of flooding and sea level rise.

building code standards.

effects of high velocity wind, storm surge and flooding events.

Purchase of 12 synchronized generators to protect the patient power supply.

above ground addition.

central energy plant.

Relocate operating rooms, contents, equipment and critical functions from ground floor to wind rated protective

The Key Biscayne Fire Department will provide additional emergency management training to all Fire Department

personnel to achieve Incident Command System (ICS) 300 and 400 levels. These courses are provided by the Emergency Management Institute (EMI) for free in Maryland. The ICS-300 Course is the Intermediate ICS for Expanding Incidents which provides training and resources for personnel who require advanced knowledge and application of the ICS, expanding on information covered in the ICS-100 and ICS-200 courses. The ICS-400 Advanced ICS course expands on the ICS 100 through ICS 300 courses offering advanced application of ICS.

Jurisdiction

Hospital/Medical

Jurisdiction	Agency Responsible	Project Title	Project Description	Hazards	Identified Funding Source	Potential Grant Source	Estimated Costs	BCR	New Projects Date Added	Status	Completion Timeframe
Key Biscayne	Key Biscayne	CERT Readiness	The Community Emergency Response Team (ESTR) a x readness program which copies tracing in basic impropriet process of the local residents and sources covers immediately following a distance prior to receipt of professional assistance. The program educates a community about natural and man-made disaster programedess. The surface growth of the community about natural and man-made disaster programedess. The surface growth of the community about natural and man-made disaster programedess. The surface growth of the community is a surface of the community of the community of the community is a surface and other. The program requires the Village to have training personnel, cut create this community, inspiration, administrate suitable, conducting containing and contributions of the community of the com	"Flood,Power Failure,Sea Level Rise,Health,Flood/Storm Surge,Technological Disruption,Wild Fire,Wind	Unknown/None	Mitigation Grant	150,000.00	76	11/11/2014	Future Unfunded Project	12 months
Key Biscayne	Key Biscayne	Coastal Dune Vegetation	As a castal community, the duties system in the Village of for plicatives in the first line of defense against storms, Amaintenance programs in place to maintain a healthy duties yet when requiring only native systems in present. The note system of ratifies vegetation is extensive and strong. It acts as a securing mechanism for the acts and prevents bear encount. The remaint of execution present project was completed in September, 2014, when 1,300 square youth of eacits species named Scools Furtherson; literakins seagraped were removed, the expectation suitable in the replanting of 2056 acts. The Village and continuous or an annual basis to defently any exotic vegetation and plan the replanting with native species. Neel inspection is scheduled for July 2014.	,Flood,Flood/Storm Surge,Storm Surge,Wind,Other	Other Internal Funding	Not Applicable	10,000.00	78	11/12/2014	Funding Secured	12 months
Key Biscayne	Key Biscayne	Comprehensive Review of Local Laws and Regulations	Those Local Regulations pertaining to the mitigation of hurricane and flooding hazards were evaluated and updated, including analysis of issues, for opportunities and formulation of proposals with respect to the existing provisions related to Base Flood Elevations, Substantial Improvements, Flood insurance Rate Maps, FIRMA) and the	Flood	Other Internal Funding	Not Applicable	5,000.00	0		75% complete	2014
Key Biscayne	Key Biscayne	CRS Outreach Program	Consideration of a Ereboard Regulation. This project involves establishing a community outreach program to comply with Community Rating System (CRS) requirements under Activity 330.	Flood/Storm Surge	Other Internal Funding	Not Applicable	10,000.00	0		Project in Planning Stage	2014
Key Biscayne	Key Biscayne	Drainage Improvements on East Heather Drive	This project is the recommended alternative resulting from the Stormwater Master Plans Logiste 2010. The problem area studied in detail involved the flooding in the vicinity of the East Heather Drive between Crandon Blod and Ocean Drive. Conveyance testing on existing drainage wells in the Village has shown to be very effective. Therefore, this proposes installation of three [3] drainage wells to be located along the intersections of East Leaster Drive in Octobera. (Sift was Busile Bond.)	Flood	Other Internal Funding	Not Applicable	839,225.00	0		Project in Planning Stage	2014
Key Biscayne	Key Biscayne	Drainage Improvements on Fernwood Road & Hampton Road	This project proposes the installation of a drainage well near the corner of West Enid Drive and Ridgewood Road. This would allow the flood waters that would otherwise back-up along the Hampton Road repetitive loss or	Flood	Other Internal Funding	Not Applicable	465,275.00	0		Funding Secured	2015
Key Biscayne	Key Biscayne	Elevate Repetitive Loss Properties	Elevate existing foundation, to base flood elevation (BFE), of seven (7) houses along East Drive south of Key Colony, Estimated Cost per individual residence ranges from \$250K to \$1.1 million	"Flood,Flood/Storm Surge,Storm Surge	Unknown/None	Mitigation Grant	1,100,000.00	59	11/12/2014	Future Unfunded Project	5 years
Key Biscayne	Key Biscayne	Emergency Operation Center	This boation already acts as the centre of emergency operations since it houses the file-sering recoil equipment, which personnel, communications systems, for its responds on emergency revents. However, the centred facility does not have a "hardered room" or "safe moon" from where to operate in case of a reage hardinary, toronical port from effective experiment and a serial production of the extraper facility and the statistical released for extraper facility. The project would involve identification of focation and creation of a non-indices series on market concerns block with an off-intered extraction series.	,Power Failure,Technological Disruption,Security	Unknown/None	Mitigation Grant	35,000.00	77	11/11/2014	Future Unfunded Project	30 months
Key Biscayne	Key Biscayne	Envrionmental Forum	The programs includes continued participation at Miami-Dade County LMS meetings, Floodplain Roundtable Discussions, Hurricane Conferences, FDEP and FEMA training seminars and others.	Other	Other Internal Funding	Not Applicable	10,000.00	0		Other	2014
Key Biscayne	Key Biscayne	Erosion Control Web Q&A and Response System	JUNGUASSIONS, HUTTGARIC SONTERCINES, LUEZ AND IT AREA TRAINING SERMINGS AND OTHERS. This project involves establishing a standard operating procedure for inspection program, focused on construction sites, as well as public areas within the village, to assure that policies and regulations with respect to erosion and sedimentation control are effectively followed and enforced, as per NPDES regulation requirements.	Multiple	Other Internal Funding	Not Applicable	10,000.00	0		Project in Planning Stage	2014
Key Biscayne	Key Biscayne	Feasibility Study for Additional open Space Preservation	Revised since no longer study. Land has been identified for potential open space	Other	Other Internal Funding	Not Applicable	35,000.00	0		Other	2014
Key Biscayne	Key Biscayne	Flap Gates at Outfalls	This project is one of the alternatives resulting from the Stormwater Master Plan Update 2010. A total of 16 flap gates at the outsils are proposed to reduce the impact of high tide conditions for those periodic events that concide with an infland storm event. The gates could help prevent the inflow of seaware in the conveyance system, thereby allowing stormwater runoff on the island to enter the stormsewer system instead of ponding on notices encounters and on bild using the disease.	Flood	Other Internal Funding	Not Applicable	626,700.00	0		Funding Secured	2018
Key Biscayne	Key Biscayne	Hardening of Village Hall Generator	This project involves enhancing hazard protection by installing storm proof shutters and doors to protect the easisting generators structure adjacent to the Village Hall. This generator is currently exposed and can be damaged or destroyed during a severe storm event. The generator is essential to providing emergency power to the Village Police Inhantament.	Wind	Unknown/None	Mitigation Grant	200,000.00			Future Unfunded Project	2018
Key Biscayne	Key Biscayne	New Stormwater Outfall Construction	This project proposes construction of 1,800 E of 18-inch RCP stormwater outfall with associated relining of piping leading to outfall as part of the drainage improvement plan to mitigate the repetitive flood claims at 24 Crandon Bouldgrand.	Multiple	Unknown/None	Mitigation Grant	210,000.00			Funding Secured	2015
Key Biscayne	Key Biscayne		During a flood event, the expensive emergency vehicles are limited in their response effort due to vehicle height and the depth of flooding. Purchase of two (2) to four (4) raised vehicles would improve level of service and response time. The whicles can be gasoline or diesel flowed with emergency lights, sienes, and have 4x4 capability with 32-inch to 35-inch to 35-inch tree at a minimum. Estimated Cost is based per vehicle.	,Health,Security Breach,Storm Surge,Flood/Storm Surge	Unknown/None	Mitigation Grant	75,000.00	70	11/11/2014	Future Unfunded Project	24 months

Jurisdiction	Agency Responsible	Project Title	Project Description	Hazards	Identified Funding Source	Potential Grant Source	Estimated Costs	BCR	New Projects Date Added	Status	Completion Timeframe
Key 8iscayne	Key Biscayne	Reverse 911 Community Notification System	During emergency conditions such a furricures, torreades, floods, the Village relies on several media for public warming dissemination. The Village will pursues and install the Reviews \$11 Community Microfictation System to supplement the current procedures available to Village emergency operators. This system will augment the speed of message delivery introduces available to Village emergency operators. This system will augment the speed of message relieves in one mergency exerts the extensity planes years and manifesting the message recipients during an emergency exerts the extensit the Villages 12,000x1/- Otitizen receive the life saving instructions. Estimate cost relicious dissolutions statistics.		Unknown/None	Mitigation Grant	105,000.00	73	11/11/2014	Future Unfunded Project	24 Months
Key Biscayne	Key Biscayne	Stormwater outfall Rehabilitation	This project proposed rehabilitation of 175 LF of 12-inch RCP stormwater outfall with associated relining of piping leading to outfall due to deterioration from salinity.	Multiple	Other Internal Funding	Not Applicable	50,000.00	0		75% complete	2013
Key Biscayne	Key Biscayne	Traffic Signage & Pavement Marking Improvements Master plan	Debarra, octoacidir rope, octoacidir rope octo	Other	Capital Improvement	Not Applicable	40,000.00	0		25% complete	2015
Key Biscayne	Key Biscayne		The date amount of the Rey Biccore & Blazming center has indired chronic flooding throughout the years. Due to budget constraints two [2] gravity wells are being designed and installed to alleviate some of the flooding at the software content of the school and the other at the northeast area. A new pump station at the northeast corner of the school is the preferred option within an existing utility asseming the well at the northeast end will be misself to the school in the preferred option within an existing utility asseming to the rest of the school is the preferred option within an existing utility asseming to the well at the northeast end will be misself to the former and connection then future unjump station.	,Flood,Flood/Storm Surge,Sea Level Rise,Storm Surge	Other Internal Funding	,HMGP Hazard Mitigation Grant Program	350,000.00	70	11/12/2014	Project in Planning Stage	30 Months
Mediey	Medley	Drainage Improvements Phase	1. Intersection of N.W. South River Drive and N.W. 109th Street - new drainage installation and concrete paving for flood prone area. These improvements will include design and construction. Estimated construction cost of 5390.000.00.	,Flood,Health	Unknown/None	Mitigation Grant	190,000.00	97	7/8/2014	Project in Planning Stage	Unknown
Medley	Medley	Drainage Improvements Phase		,Flood,Health,Power Failure	Unknown/None	Mitigation Grant	450,000.00	96	7/8/2014	Project in Planning Stage	Unknown
Medley	Medley	Drainage Improvements Phase	IDMS OF SIGNOULOUS. N. W. 31st Court (from N.W. 1, D0th Street to N.W. 101st Street), Drainage installation and paving of low-to- moderate income community that is prone to flooding during rain events. This project is needed to improve the improper and undersized system. Tstimated construction; cost of \$22,000,000.	,Flood,Health	Unknown/None	Mitigation Grant	270,000.00	100	7/8/2014	Project in Planning Stage	3 years
Medley	Medley	Drainage Improvements Phase IV	Inditioble also understated violent. Tatematele fortest fortest or 3.2.2.0.0.0.0.0.0.0.0.0.0.0.0.0.0.0.0.0.	,Flood,Health,Power Failure	Unknown/None	Mitigation Grant	900,000.00	100	7/8/2014	Project in Planning Stage	Unknown
Medley	Medley	Flood Mitigation Area South	Design and Construction of interconnected drainage system, cross drains to provide much needed protection	Flood	Grant Applied For	Mitigation Grant	2,300,000.00	88	11/20/2014	Project in Planning Stage	2017
Medley	Medley	Medley Public Services	from flooding events during periods of light to normal rain. Strengthening of Public Services Building	,Wind,Flood	Unknown/Nane	Mitigation Grant	800,000.00	84	11/20/2014	Future Unfunded Project	Unknown
Medley	Medley	Facilities Strengthening NW South River Drive Drainage Improvements	Drainage improvements for this flood prone area.	,Flood,Wind	unkown	Mitigation Grant	2,000,000.00	98	11/20/2014	Project in Planning Stage	Unknown
Medley	Medley	Improvements Paving & Oralinge Improvements	Intersection of N.W. South New Drive and N.W. 100th Street - new drawage installation and concrete paving (Intersect construction of \$19,00,000.0). 2. N.W. 100nd Street (from N.W. 95th Avenue to FEC Railway right of-way, and N. W. 104th Street from N.W. 95th Avenue to FEC Railway right of-way. Both Street (from N.W. 95th Avenue to FEC Railway right of-way. 100th Street from N.W. 95th Avenue to Street (from N.W. 95th Avenue to Street). 3. N.W. 913. Count (from N.W. 100th Street to N.W. 101st Street). Drawage installation and paving. Estimated construction cost of \$250,000.00. 3. N.W. 915. Street (from 1), intersection with N.W. 88th Avenue to its terminol, and N.W. 97th street from its intersection with N.W. 98th Avenue to its terminol, Drawage installation and paving. Estimated construction.	,Flood,Health,Power Failure	Unknown/Nane	Mitigation Grant	1,810,000.00	96		Project in Planning Stage	> 1 year
Mediey	Medley	Russian Colony Canal Bank	Canal Bank Stabilization along North side of NW 106 Street	Flood	Unknown/None	Mitigation Grant	2,000,000.00	92	11/20/2014	Future Unfunded Project	Unknown
Medley	Medley	Stabilization Tobie Wilson Park Flood Proofing & Strengthening	Flood Proofing and strengthening of facility	Flood	unknown	Mitigation Grant	800,000.00	90	11/20/2014	Future Unfunded Project	2 years
Medley	Medley	Town Hall Building Strengthening	Town Half Building Strengthening through Impact Windows, Second Floor Backyard and Community Safe Room	Flood	Unknown/None	Mitigation Grant	800,000.00	96	11/20/2014	Future Unfunded Project	3 years
Miami	Miami	77: S. Miami Ave and Side	This project will provide drainage improvements for the area approximately bounded by 1-95 and East Coast Gorenway, S. Main Mark, S. Y. B. R. B., and SV.5 B. Th. The new drainage facilities will housed but may not be limited to a combination of ediffration drains, deep drainage wells, and storm water pump stations). Road moreovements include milling and resurfacing, reconstruction, even or repair sideosities, cutur and gutter, ADA rango, regrador or re-odding swale areas, repair or replace damaged or doffigured traffic signs, and tree	Flood/Storm Surge	Capital Improvement	Program, HMGP Hazard Mitigation Grant Program, PDM - FEMA Pre- Disaster Mitigation Grant	3,500,000.00	65		Future Unfunded Project	Unknown
Miami	Miami	Acquire Portable Pumps and Generators	Trailer-mounted portable pumps are needed to remove floodwaters during and after major storms. The City's Public Works Department has recently acquired four (4) portable trailer mounted pumps (6 inch suction pipe). In addition portable generators are needed to supply power tools that are used in a variety of applications following a disaster. The city has identified a need for six of these portable generators.	Flood/Storm Surge	Capital Improvement	HMGP Hazard Mitigation Grant Program, PDM - FEMA Pre-Disaster Mitigation Grant Program	70,000.00			Future Unfunded Project	Unknown
Miami	Miami	Anchor Park Fixtures	This project would replace unsecured park furnishings, such as tables and chairs, with permanently installed ones such as those with concrete footings. This would help prevent damages caused by high winds and water that could mobilize these items, causing unnecessary damage to people and property.	All Hazards	Identified Grant Source	PDM - FEMA Pre-Disaster Mitigation Grant Program	150,000.00	81		Future Unfunded Project	Unknown